## IAP3 Rec'd PCT/PTO 23 NOV 2005

PTO-1390 (Rev. 02-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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٠	T	RANSMITTAL LETTER TO DESIGNATED/ELECTED	29137.114.00										
	СО	NCERNING A SUBMISSIO		U.S. APPLICATION TO THOM SO 7 CFR 1.5)									
INTE	RNAT	TONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED									
PCT	/KR20	04/001068	May 7, 2004 May 27, 2003										
TITLE OF INVENTION: HYDROCARBON STEAM CRACKING CATALYST, METHOD FOR PREPARING THE SAME AND METHOD FOR PREPARING LIGHT OLEFIN BY USING THE SAME													
APPLICANT(S) FOR DO/EO/US Jun-han KANG; Won-ho LEE; Sang-mum JEONG; Sang-ku PARK; Jong-hyun CHAE													
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:													
1.		This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.											
2.		This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.											
3.		This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.											
4.		The US has been elected (Article 31).											
5.		A copy of the International Application as filed (35 U.S.C. 371(c)(2))											
	a. is attached hereto (required only if not communicated by the International Bureau).												
		b. has been communicated by the International Bureau.											
	c. is not required, as the application was filed in the United States Receiving Office (RO/US).												
6.		An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).											
		a. is attached hereto.											
		b.  has been previously su	ubmitted under 35 U.S.C. 154(d)(4).										
7.		Amendments to the claims of the In	ternational Application under PCT Article 1	9 (35 U.S.C. 371(c)(3))									
		a. are attached hereto (required only if not communicated by the International Bureau).											
		b.  have been communicated by the International Bureau.											
			nowever, the time limit for making such ame	endments has NOT expired.									
		d. have not been made and will not be made.											
8.		An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).											
9.		An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).											
10.	Ш	An English language translation of the Article 36 (35 U.S.C. 371(c)(5)).	of the annexes of the International Preliminary Examination Report under PCT										
	Items	ns 11 to 20 below concern document(s) or information included:											
11.		An Information Disclosure Statement under 37 CFR 1.97 and 1.98.											
12.		An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.											
13.		A preliminary amendment.											
14.		An Application Data Sheet under 37 CFR 1.76.											
15.		A substitute specification.											
16.		A power of attorney and/or change of address letter.											
17.		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.											
18.		A second copy of the published International Application under 35 U.S.C. 154(d)(4).											
19.		A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).											
20. Other items or information: PCT Request;PCT (Annex-Fee Calculation Sheet); PCT International Search Report;PCT Written Opinion of the International Searching Authority;PCT/RO/102; PCT/IB/308;PCT/IB/306													

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

AP15 Rec'd PCT/PTQ 2390 (Rev. 022005)

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